



Blast 2 Sequences results

PubMed

Entrez

BLAST

OMIM

Taxonomy

Structure

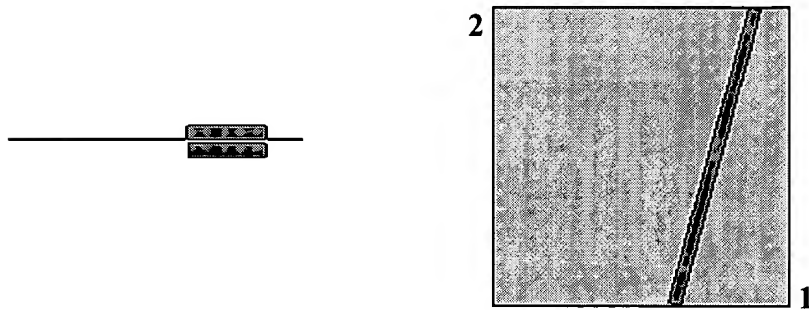
BLAST 2 SEQUENCES RESULTS VERSION BLASTN 2.2.10 [Oct-19-2004]

Match: Mismatch: gap open: gap extension:
x_dropoff: expect: wordsize: Filter ☒

Sequence 1 [gi_144864](#) C.botulinum neurotoxin gene, complete cds. **Length** 4835 (1 .. 4835)

Sequence 2 lcl|seq_2

Length 1323 (1 .. 1323)



NOTE: The statistics (bitscore and expect value) is calculated based on the size of nr database

NOTE:If protein translation is reversed, please repeat the search with reverse strand of the query sequence

Score = 412 bits (214), Expect = e-111

Identities = 937/1302 (71%)

Strand = Plus / Plus

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Gapped

Lambda	K	H
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 Number of Hits to DB: 75
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 Number of sequences better than 10.0: 1
 Number of HSP's better than 10.0 without gapping: 1
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X2: 26 (50.0 bits)
X3: 26 (50.0 bits)
S1: 13 (25.7 bits)
S2: 22 (43.0 bits)

NCBI Nucleotide

PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Books

Search for

Limits Preview/Index History Clipboard Details

Range: from to ☐ Reverse complemented strand Features: ☐ SNP

☐ CDD ☒ MGC ☐ HPRD ☐ STS

☐ 1: [M30196](#). Reports *C.botulinum* neuro...[gi:144864]

[Links](#)

LOCUS CLONEUR 4835 bp DNA linear BCT 26-APR-1993

DEFINITION *C.botulinum* neurotoxin gene, complete cds.

ACCESSION M30196

VERSION M30196.1 GI:144864

KEYWORDS neurotoxin.

SOURCE *Clostridium botulinum*

ORGANISM *Clostridium botulinum*
Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae;
Clostridium.

REFERENCE 1 (bases 1 to 4835)

AUTHORS Binz,T., Kurazono,H., Wille,M., Frevert,J., Wernars,K. and
Niemann,H.

TITLE The complete sequence of botulinum neurotoxin type A and comparison
with other clostridial neurotoxins

JOURNAL J. Biol. Chem. 265 (16), 9153-9158 (1990)

PUBMED 2160960

COMMENT Original source text: *C.botulinum* (strain 62A, subtype A) DNA.
Draft entry and computer-readable sequence for [1] kindly submitted
by H.Niemann, 29-NOV-1989.

FEATURES

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misc_feature

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/note="potential terminator; putative"

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//

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Feb 9 2005 14:31:10

NCBI Nucleotide

PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Books

Search for

Limits Preview/Index History Clipboard Details

Range: from to ☐ Reverse complemented strand Features: ☐ SNP

☐ CDD ☒ MGC ☐ HPRD ☐ STS

☐ 1: [M30196](#). Reports *C.botulinum* neuro...[gi:144864] [Links](#)

LOCUS CLONEUR 4835 bp DNA linear BCT 26-APR-1993

DEFINITION *C.botulinum* neurotoxin gene, complete cds.

ACCESSION M30196

VERSION M30196.1 GI:144864

KEYWORDS neurotoxin.

SOURCE *Clostridium botulinum*

ORGANISM *Clostridium botulinum*
Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae;
Clostridium.

REFERENCE 1 (bases 1 to 4835)

AUTHORS Binz,T., Kurazono,H., Wille,M., Frevert,J., Wernars,K. and
Niemann,H.

TITLE The complete sequence of botulinum neurotoxin type A and comparison
with other clostridial neurotoxins

JOURNAL J. Biol. Chem. 265 (16), 9153-9158 (1990)

PUBMED 2160960

COMMENT Original source text: *C.botulinum* (strain 62A, subtype A) DNA.
Draft entry and computer-readable sequence for [1] kindly submitted
by H.Niemann, 29-NOV-1989.

FEATURES

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misc feature

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/note="potential terminator; putative"

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